

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line : Rolled Steel NEMA Premium Efficiency Three-Phase		Product code : 12674917		
		Catalog # : 00156OT3E143T-SG		
Frame : 143/5T Output : 1.5 HP (1.1 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 3.70/1.85 A L. R. Amperes : 31.8/15.9 A LRC : 8.6x(Code K) No load current : 1.62/0.809 A Rated speed : 3510 rpm Slip : 2.50 % Rated torque : 2.24 ft.lb Locked rotor torque : 210 % Breakdown torque : 330 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0835 sq.ft.lb Design : B		Locked rotor time : 34s (cold) 19s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 62.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 29.9 lb		
Output	25%	50%	75%	100%
Efficiency (%)	81.1	83.2	81.5	82.7
	80.7	81.0	83.3	83.2
Power Factor	0.45	0.51	0.73	0.79
	0.43	0.71	0.83	0.88
Foundation loads		Max. traction : 55 lb		
		Max. compression : 85 lb		
Bearing type :		<u>Drive end</u>	<u>Non drive end</u>	
Sealing :		6205 ZZ	6203 ZZ	
Lubrication interval :		Without Bearing Seal	Without Bearing Seal	
Lubricant amount :		-	-	
Lubricant type :		Mobil Polyrex EM		
Notes				
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.	
Rev.	Changes Summary		Performed	Checked
Performed by				
Checked by			Page	Revision
Date	31/10/2023		1 / 1	